SERVING MONTANA

Council of Natural Resources Composed of Following

Bureau of Mines and Geology
Fish and Game Department
Office of the State Forester
Montana Grass Conservation Commission
Department of State Lands and Investments
Oil and Gas Conservation Commission
State Engineer
State Highway Commission

Resource Information Directory

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Montana

STATE OF MONTANA

BUREAU OF MINES AND GEOLOGY

Edwin G. Koch, Director

Montana School of Mines

Butte, Montana

THE MONTANA BUREAU OF MINES AND GEOLOGY

Purpose: The Montana Bureau of Mines and Geology was created by the State Legislature in 1919 to serve the mineral industry of the State. It is a public service agency for the State of Montana; its purpose is to assist developing the State's mineral resources. These resources include metals and metallic ores, nonmetallic industrial minerals, coal, oil, natural gas, and ground water. Below are briefly summarized the services available from the Bureau.

Programs: The Bureau conducts field studies of Montana geology, mineral deposits, and ground water. It also carries out research in mineral beneficiation, extractive metallurgy, and economic problems connected with the mineral industry in Montana. The results of these studies are published for general distribution to the public.

Direct Service Available to Individuals:

1. Mineral and rock identification service is extended to all Montana residents. Specimens are examined for mineral composition and economic worth and reported by mail in the order received. Each specimen is tested for radioactivity and fluorescence in addition to other tests that appear to be justified. Simply bring or mail your specimens to the Bureau, Room 203-B, Montana School of Mines, Butte, Montana. There is no charge for this service.

2. Information service, the mineral industries: The Bureau will answer inquiries regarding the geology and mineral industry of Montana either orally or by mail. Specialists cover such subjects as areal geology, stratigraphy, location of mineral deposits, economics of mineral commodities, markets for minerals, status of old mining properties, and a host of other subjects related to geology or mining. Call in person or write to the Montana Bureau of Mines and Geology, Room 203-B, Main Hall, Montana School of Mines, Butte, Montana. There is no charge for this service.

3. Information service, ground water: Due to the growing importance of ground water in Montana economy, the Bureau maintains a ground-water specialist whose duties include answering all

inquiries on ground water and giving advice to those who contemplate the drilling of wells for ground water. Address your inquiry to Montana Bureau of Mines and Geology, Butte. There is no charge for this service.

4. Map sales service: The Bureau acts as agent for the U.S. Geological Survey in the sale of topographic and geologic maps. Modern topographic maps covering about one-fourth of the State on a scale of 1 inch to 2,000 feet and 1 inch to 1 mile are available. These are accurate maps based on aerial photography. Index maps showing areas covered by topographic quadrangle maps and a price list of available geologic maps can be had free of charge. Topographic quadrangle maps cost 30 cents each regardless of scale. Geologic maps differ in price and will be sold at the U.S. Geological Survey list price for the particular map purchased. Call in person or write to Montana Bureau of Mines and Geology, Main Hall, Room 203-B, Montana School of Mines, Butte, Montana.

5. Topographic mapping, cooperative projects: The U.S. Geological Survey will enter into cooperative mapping projects with the Bureau on a 50-50 financial basis to map any area not mapped by modern means in units of not less than one 7-½ minute quadrangle (approx. 6 x 9 miles). Such projects require about 4 years for completion but receive top priority ratings. The Bureau could obtain such a project with a 2-year completion date, by meeting the entire cost of the survey.

a. Companies and other private parties or organizations who cannot or do not wish to pay for topographic surveys can still express their preference concerning areas to be surveyed by the U.S. Geological Survey by writing to the Topographic Mapping Committee, Council on Natural Resources and Development, c/o Director Montana Bureau of Mines and Geology, Butte, Montana. Such requests will be consolidated with other similar requests and submitted to the U.S. Geological Survey for their consideration. Requests must be submitted to the Committee before January 1st for inclusion in the Committee's consolidated report which is submitted to the Survey by February 1st of each year. It does not cost anything to put in a request for mapping to the Mapping Committee if one is not in a position to pay for the survey. Of course, in this

case submitting a request carries no assurance that the area will be mapped in the near future.

b. Companies or organizations who desire positive action on their requests and are willing to contribute half, or more, toward the cost of the survey, may do so by contributing the funds to the Montana Bureau of Mines and Geology, which will then enter into a cooperative agreement with the U.S. Geological Survey for the project. The Geological Survey cannot enter into such agreements with private parties. Requests for such surveys should be addressed to the Director, Montana Bureau of Mines and Geology, Butte, Montana.

For cooperative mapping projects the current cost is about $20,000 per 7-½ minute quadrangle and $30,000 per 15-minute quadrangle. (A 7-½ minute quadrangle covers area of about 6 x 9 miles; a 15-minute quadrangle covers 4 times as much area, approximately 12 x 18 miles.) The party requesting the survey would be required to pay one-half the cost on a 4-year first priority project.

For further information write to:

The Director, Phone 729-9476

Information Service, Phone 723-3344

Montana Bureau of Mines and Geology

Montana School of Mines

Butte, Montana

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STATE OF MONTANA

Fish and Game Director

Sam W. Mitchell Building

Helena, Montana

Telephone No. 442-3260, Ext. 356

PURPOSES:

The Fish and Game Department is concerned with the protection, propagation and management of the wildlife resources of Montana, and endeavors to provide maximum opportunity for people to enjoy the benefits of outdoor wildlife recreation.

PROGRAMS:

Briefly stated are the programs carried forth by the Montana Fish and Game Department:

Fixes seasons and bag limits on fish, game birds, fur and game animals

Enforces Fish and Game laws

Works on fish and wildlife restoration projects

Releases game birds in favorable habitats

Manages seven winter game ranges

Manages three migratory waterfowl areas

Conducts research for management of fish and wildlife

Provides public hunting and fishing areas

Promotes public understanding of fish and game management

Makes motion pictures, sound pictures, and still pictures on wildlife subjects for public showing

Promotes better landowner-sportsmen relations

Administers hunter safety training programs throughout Montana

SERVICES TO INDIVIDUALS:

Listed below are a few of the services provided by the Montana Fish and Game Department:

Provides hunting, fishing and trapping information

Issues licenses to hunt, fish or trap

Provides licenses for guiding hunting or fishing parties

Provides licenses for game farms and fish ponds and for dealing in furs

Provides technical assistance to private fish pond owners

Provides technical assistance for wildlife habitat improvement on private land

WHERE TO GET INFORMATION:

Other Fish and Game Dept. Offices	Address	Tel. No.
Billings	1125 Lake Elmo Road	252-6323
Bozeman	Route 1, Box 151-A	586-5419
Glasgow	Route 1, — 129	228-2951
Great Falls	Route 1, Southwest	454-3441
Kalispell	Route 3	756-4945
Miles City	Box 187	232-4365
Missoula	Highway 93 South	549-1496

Conservation Pledge

I GIVE MY
PLEDGE AS AN AMERICAN
TO SAVE AND FAITHFULLY TO
DEFEND FROM WASTE THE
NATURAL RESOURCES OF
MY COUNTRY — ITS SOIL
AND MINERALS, ITS
FORESTS, WATERS,
AND WILDLIFE

BE A GOOD SPORTSMAN

Ask Permission

To Hunt Or Fish

ON PRIVATE PROPERTY

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STATE OF MONTANA

FORESTRY DEPARTMENT

OFFICE OF THE STATE FORESTER

Missoula, Montana

Purpose . . .

The Office of the State Forester was established in 1909 to provide the Board of Land Commissioners with the technical assistance felt necessary to realize the greatest measure of reasonable advantage to the State from forested State Lands.

Thirty years later with the creation of the State Board of Forestry, the responsibilities of the State Forester were expanded to include programs which involved the privately owned forest lands within the State.

Programs . . .

The programs of the Office of the State Forester, whether in relation to state or private forest lands, are divided into two broad categories: (1) Those things which affect the growing of timber crops, timber sales, and land management, and; (2) Those things having to do with the protection of the forested lands from fire, insects and disease.

*Timber Management—planning for a sustained yield from the state's forests to insure a continued income to the school funds.

*State Forest Inventory—an inventory, literally a counting of the trees that are available for management.

*Private Forest Land Reclassification—working with the counties in classification of the private land for purposes of equalization of tax burdens.

*Special Uses of State Forest Lands—the management of forest lands for other uses than straight timber growing—recreation, farming, grazing.

*Cooperative Forest Management—working with the owners of private forest lands toward the end of better management for the state's private forests.

*Protection of State forest lands from fire—affording protection for the consolidated and widely scattered state timber lands.

*Protection of private forest lands from fire—arranging for the protection of all privately owned forests in the state.

*Protection of the forests, state and private, from the ravages of disease and insects.

*Hazard Reduction—fire prevention through the management of the hazard created by slash and brush residue from logging and clearing operations on state and private forested lands.

Serving You . . .

If you own forested land the State Forester may serve you in these ways—

FIRE—it is likely that your area is already under some organized protection, if not the protection will probably be offered to you in the near future.

INSECTS AND DISEASE—these control measures are carried out in blocks which may include your acreage, in which case you will be encouraged to participate.

TIMBER MANAGEMENT—Service Foresters are employed by the State Forester to assist you in making up a management plan for your forest acreage, which will include provisions for merchandising your timber crops.

FOR ASSISTANCE IN FORESTRY MATTERS . . . .

Northwest District Office
On 93 North of Kalispell
Kalispell, Mont.—756-6575

Missoula Office, covering rest of the State. 1209 Lolo Street
Missoula, Mont.—543-3622

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STATE OF MONTANA

MONTANA GRASS CONSERVATION COMMISSION

Miles City, Montana

MONTANA GRASS CONSERVATION COMMISSION

Organized under the provisions of the Grass Conservation Act of 1939.

The purpose of the Act is to provide for the conservation, protection, restoration, and proper utilization of grass, forage and range resources of the State of Montana, to provide for the incorporation of cooperative nonprofit grazing districts, to provide a means of cooperation with the Secretary of the Interior as provided in the federal act known as the Taylor Grazing Act and any governmental agency or department having jurisdiction over lands belonging to the United States or other state or federal agencies as well as agencies having jurisdiction over federal lands to permit the setting up of a form of grazing administration which will aid in the unification or control of all grazing lands within the state where the ownership is diverse and the lands intermingled, and to provide for the stabilization of the livestock industry and the protection of dependent commensurate ranch properties.

The Commission itself is set up to assist in carrying out the purposes of this act, to act in an advisory capacity with the State Land Board and county commissioners, and to supervise and coordinate the formation and operation of districts.

The Commission is composed of five members, appointed by the Governor. One member is from the Montana Stockgrowers Association, one from the Montana Woolgrowers Association, one from the County Commissioners Association, one from the Cooperative State Grazing Districts, and one is a member at large.

MAIN OFFICE: Office of the Secretary
Montana Grass Conservation Commission
Miles City, Montana
Phone 232-3111

The Commission meets regularly four times each year. The annual meeting is held at Helena at the Capitol the third Monday in June. The other regular meetings are held in connection with and at the same time as the annual meetings of the Montana Stockgrowers Association, the Montana Woolgrowers Association, and the Montana Association of State Grazing Districts.

Special meetings are called whenever necessary.

The Secretary of the Commission meets with the grazing districts and their Board of Directors, assisting them in the administration of their districts, aiding them in the keeping of proper records, etc.

COOPERATIVE STATE GRAZING DISTRICTS

Badlands	Glasgow
Buffalo Creek	Shepherd
Buggy Creek	Glasgow
Chalk Buttes & Box Elder	Ekalaka
Chain Buttes	Winnett
Cherry Ridge	Chinook
Coal Creek	Chinook
Crooked Creek	Roy
Devil's Basin	Roundup
East Custer	Ismay
Flatwillow	Grass Range
Fort Pease	Myers
Froze-to-death	Myers
Grass Range	Grass Range
Indian Butte	Roundup
Kevin	Shelby
Kilby Butte	Roundup
Lohman	Chinook
North Fork	Chinook
North Phillips County	Malta
North Valley County	Glasgow
Pole Creek	Roundup
Prairie County	Terry
South Phillips County	Malta
Red Butte	Plevna
Tobacco Root	Sheridan
Waterloo	Silver Star
Wayne Creek	Harlem
Weede	Mosby
Willow Creek	Hinsdale
Williams Coulee	Cat Creek
Winnett	Winnett

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DEPARTMENT OF STATE LANDS AND INVESTMENTS

State Capitol Building

Helena, Montana

OFFICERS:

State Land Board:

Governor

Superintendent of Public Instruction

Secretary of State

Attorney General

Commissioner

Chief Field Agent

Bond Clerk

PURPOSE:

To administer the federal land grants made to the State of Montana, and the other state lands and funds arising from these grants and to administer investments under the Montana Trust and Legacy Fund.

PROGRAM:

1. Selection, classification, appraisal and exchange of state owned land.
2. Leasing of state owned agriculture and grazing lands.
3. Leasing of oil and gas and mineral interests in state land.
4. Granting of easements for public purposes.
5. Sale of state lands.
6. Investment of state funds.

SERVICES AVAILABLE TO INDIVIDUALS:

1. Agriculture and grazing leases upon application, subject to previous lessee's preference to meet high bid. Maximum 10 year term.

2. Oil and gas leases upon application and after oral auction to determine fair market value. Maximum 10 year term. Delay drilling penalty after second year.

3. Mining leases upon application and consideration by Land Board.

4. Right of Way easements upon application and payment for all damages and full value of interest disposed of. Consent of surface lessee is required.

5. Grazing land sold at public auction upon application containing names of twelve prospective purchasers and a guaranteed bid satisfactory to the Department. Deposit to cover cost of holding sale required of applicant.

6. Department frequently bids on purchase of general obligation bonds issued by school districts and municipalities within Montana.

FOR FURTHER INFORMATION CONTACT:

Department of State Lands and Investments

Capitol Building
Helena, Montana
Phone: 442-3260—Ext. 254

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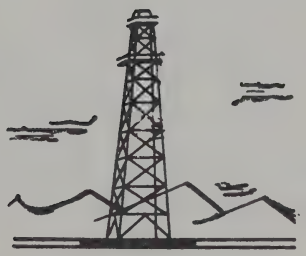
STATE OF MONTANA



OIL & GAS CONSERVATION COMMISSION

Savings Bldg., 325 Fuller Ave.

Helena, Montana

ADMINISTRATIVE RESPONSIBILITIES:

The Commission has the authority, and it is its duty, to make such investigations as it deems proper to determine whether waste exists or is imminent or whether other facts exist which justify any action by the Commission under the authority granted by the Conservation Act. The Commission has authority and it is its duty to require:

1) Identification of ownership of oil or gas wells, producing properties and tanks; the making and filing of acceptable well logs, reports on well locations, and the filing of directional surveys, if made.

2) File necessary reports on the drilling, casing, producing and plugging of wells in such manner as to prevent the escape of oil or gas into one stratum from another, or the intrusion of water into oil or gas stratum; the pollution of fresh water supplies by oil, gas, salt, or brackish waters; the proper gauging or other measuring of oil and gas produced and saved to determine the quantity and quality thereof.

3) For the purpose of preventing waste,

   a) to regulate the drilling, producing and plugging of wells, the shooting and chemical treatment of wells, the spacing of wells, operations voluntarily entered into to increase ultimate recovery such as cycling of gas, the maintenance of pressure, and the introduction of gas, water, or other substances into producing formations and,

   b) to fix, upon application made by any interested person after hearing, efficient gas-oil and water-oil ratios for any particular well or wells.

4) a) to regulate disposal of salt water and oil field wastes.

b) to classify wells.

c) to promulgate and enforce rules, regulations and orders to effectuate the purposes and intent of the Conservation Law.

PROGRAMS:

Well information, reservoir information, production information concerning crude oil, natural gas and water is collected and retained as a record, which records are available for observation by the public. A core and cutting repository is maintained in the Commission Building in Billings. Core samples, cutting samples and/or ditch samples are saved, processed, labeled and stored in such manner that an individual, company or any interested party may observe such material, and may have access to the use of certain equipment maintained by the Commission in the repository. Dissemination of certain information is made through various publications available to the public, which publications include well location information, production information, transportation information relative to crude oil, refinery through-put information, information on producing oil fields, including reservoir information and reserves, and other information of geological and engineering nature.

SERVICES AVAILABLE TO THE INDIVIDUAL:

An individual may, by calling at the Helena, Billings or Shelby offices of the Commission, have access to information contained in the well files, production files and other information of public nature. In addition, any individual may examine the cores, core samples, cuttings and/or ditch samples in the repository operated by the Commission in Billings. Field maps are avail-

able in each office of the Commission and may be observed by any interested party.

FOR FURTHER INFORMATION, WRITE OR PHONE:

Administrative Office, 325 Fuller Avenue, Helena

Executive Secretary.....Phone 442-3260, Ext. 306

Attorney.....Phone 442-3250

Northern District Field Office, 124 Main St., Shelby

Field Supervisor.....Phone 434-2422

Southern District Field Office, 15 Poly Drive, Billings

Petroleum Engineer.....Phone 252-5109

Geologist.....Phone 252-5109

Sub-Field Office, Southern Dist., 216 E. Main, Sidney

Inspector.....Phone 1043

HELENA INDEPENDENT-RECORD
HELENA, MONTANA

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STATE OF MONTANA

STATE ENGINEER

Room 436, Sam W. Mitchell Building

Helena, Montana

STATE ENGINEER

Purpose: The State Engineer's office was created in 1903 to develop Carey Land Act projects, and to become conversant with the water resources of the state. Since 1903 many and varied duties have been given to the State Engineer.

Programs: The State Engineer is developing historical records of all water rights in the state for the purpose of being able to defend our water rights against the encroachments of other states, and, also, accumulating basic data for the establishment of a modern surface water code.

He carries on stream measurement work in cooperation with the U.S. Geological Survey. He represents Montana before the International Joint Commission on water problems between Canada and United States.

The State Engineer negotiates water compacts between Montana and other states. He represents Montana on the ratified Yellowstone River Compact. He is, at present, negotiating a compact on the Columbia River involving seven states, and, also, one on the Little Missouri River involving four states.

The State Engineer is a member of the following state agencies: Pollution Council, State Water Conservation Board, Planning Board, Water Well Contractors Licensing Board, and Advisory Council on Natural Resources.

He is the Administrator of the Ground-water Code; inspects dams that are believed unsafe; and, advises district courts on the creation of irrigation districts.

The State Engineer reviews all projects proposed by the Bureau of Reclamation and the Corps of Engineers within the state. He represents Montana on the Coordinating Committee on the Missouri River Main Stem Reservoir Operations; and, is a member of

the Reservoir Control Committee on Canyon Ferry and Tiber Reservoirs.

The State Engineer represents Montana on two Subcommittees of the Columbia Basin Inter-Agency Committee—Water Management and Hydrology.

Services Available: Inquiries may be answered concerning surface water rights, groundwater, and the flow of streams.

A resume of the history of all water rights within a specific area may be obtained in counties completed by the water resources survey.

Water well drilling contractors can be advised on obtaining a license.

Inquiries may be answered concerning the Yellowstone River Compact which is in operation; with the Columbia River Compact and the Little Missouri River Compact both in the stage of negotiation.

Information may be obtained on international streams between Montana and Canada.

HELENA INDEPENDENT-RECORD
HELENA, MONTANA

Montana State Library
3 0864 1007 0417 3